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RMB

Maine Agricultural Experiment Station

BULLETIN No. 50.

MARCH, 1899.

FERTILIZER INSPECTION.

This Bulletin contains the analyses of Manufacturer's samples of brands of Fertilizers licensed before March 8, 1899. Dealers are cautioned to consult with the Station before offering brands not given in this Bulletin.

Requests for the Bulletins should be addressed to the

AGRICULTURAL EXPERIMENT STATION,

Orono, Maine.

DESCRIPTIVE LIST OF MANUFACTURERS' SAMPLES, 1899.

Station number.	Manufacturer, place of business and brand.
	HIRAM BLANCHARD, EASTPORT, ME.
2114	Blanchard's Fish, Bone and Potash.....
2115	Blanchard's Ground Fish Scrap, No. 2
	BOWKER FERTILIZER CO., BOSTON, MASS.
1252	Bowker's Ammoniated Dissolved Bone.....
1868	Bowker's Bone and Wood Ash Fertilizer
1852	Bowker's Corn Phosphate.....
1251	Bowker's Farm and Garden Phosphate
1257	Bowker's Fresh Ground Bone
1579	Bowker's High Grade Fertilizer.....
1248	Bowker's Hill and Drill Phosphate
1872	Bowker's Market Garden Manure.....
1389	Bowker's Potato and Vegetable Phosphate.....
1390	Bowker's 6 % Potato Fertilizer.. ..
1249	Bowker's Special Fertilizers, Potatoes and Vegetables.....
1250	Bowker's Square Brand Bone and Potash.....
1866	Bowker's Staple Phosphate or 3 % Fertilizer
1867	Bowker's Superphosphate with Potash
1247	Bowker's Sure Crop Phosphate
1588	Bowker's 10 % Manure.....
1871	Gloucester Fish and Potash
1580	Stockbridge Corn and Grain Manure
1870	Stockbridge Pea and Bean Manure
1388	Stockbridge Potato and Vegetable Manure.....
1391	Stockbridge Seeding Down Manure
1869	Stockbridge Strawberry Manure
1392	Stockbridge Top Dressing Manure
	BRADLEY FERTILIZER CO., BOSTON, MASS.
2113	Bradley's Alkaline Bone with Potash
2112	Bradley's Complete Manure for Potatoes and Vegetables.....
1282	Bradley's Corn Phosphate
2111	Bradley's Eureka Fertilizer.....
1882	Bradley's Niagara Phosphate.....
1269	Bradley's Potato Fertilizer
1267	Bradley's Potato Manure
1265	Bradley's X. L. Phosphate.....
	CLARK'S COVE FERTILIZER CO., BOSTON, MASS.
1600	Bay State Defiance Phosphate.....
1217	Bay State Fertilizer.....
1219	Bay State Fertilizer for Seeding Down.....
1218	Bay State Fertilizer G. G.
1215	King Philip Alkaline Guano for Potatoes
	THE CLEVELAND DRYER CO., BOSTON, MASS.
1607	Cleveland Fertilizer for All Crops.....
1608	Cleveland Pioneer Fertilizer
1264	Cleveland Potato Phosphate.....
2109	Cleveland Seeding Down Fertilizer.....
1263	Cleveland Superphosphate.....
	E. FRANK COE CO., NEW YORK, N. Y.
1901	E. Frank Coe's Bay State Phosphate
2117	E. Frank Coe's Columbian Special Corn Fertilizer
2118	E. Frank Coe's Columbian Special Potato Fertilizer.....

ANALYSES OF MANUFACTURERS' SAMPLES, 1899.

Station number.	NITROGEN.				PHOSPHORIC ACID.								POTASH.	
	As ammonia or nitrates.	As organic.	Total.		Soluble.	Reverted.	Insoluble.	Available.		Total.		Found.	Guaranteed.	
			Found.	Guaranteed.				Found.	Guaranteed.	Found.	Guaranteed.			
2114	%	%	%	%	%	%	%	%	%	%	%	%	%	
2115	.51	2.44	2.95	3.50	.....	2.61	1.28	2.61	2.0	3.89	4.5	3.82	4.5
	.49	3.64	4.13	4.47	.....	3.39	.89	3.39	3.5	4.43	4.5	1.44	1.0
1252	1.88	1.50	5.32	2.51	2.05	7.83	8.0	9.88	10.0	2.17	2.0	
1868	1.99	1.50	.....	.....	2.00	8.86	6.0	10.86	8.0	3.09	2.0	
1852	1.88	1.60	.....	.....	2.77	8.59	7.0	11.36	9.0	2.26	2.0	
1251	1.86	1.50	5.27	3.01	7.79	8.28	8.0	10.07	10.0	2.21	2.0	
1257	3.10	2.25	.....	.....	.....	.....	.....	17.49	18.0	.....	.....
1579	2.76	2.25	7.71	2.37	1.92	10.08	8.0	12.00	10.0	4.68	4.0	
1248	2.60	2.25	7.36	1.87	3.08	9.23	9.0	12.31	12.0	2.52	2.0	
1872	2.18	2.25	.....	.....	2.33	7.80	6.0	10.13	8.0	10.95	10.0	
1389	1.77	1.50	3.83	3.50	5.40	7.33	8.0	12.73	10.0	2.34	2.0	
1390	1.01	.75	3.93	3.88	3.86	7.81	7.0	11.67	10.0	6.38	6.0	
1249	2.54	2.25	3.79	2.54	4.31	6.33	8.0	10.64	10.0	4.42	4.0	
1250	1.79	1.50	.....	6.40	7.19	6.40	6.0	13.59	12.0	2.21	2.0	
1866	1.00	.75	.....	.....	3.18	8.68	8.0	11.86	10.0	3.65	3.0	
1867	2.82	10.70	10.0	13.52	11.0	3.19	2.0	
1247	1.02	.75	4.09	3.75	4.07	7.84	8.0	11.91	10.0	1.16	1.0	
1588	1.15	.75	1.30	5.17	3.61	6.47	6.0	10.08	8.0	10.98	10.0	
187197	.75	.....	.....	4.86	6.58	6.0	11.44	9.0	1.76	1.0	
1580	3.33	3.00	6.78	1.85	1.91	8.63	8.0	10.54	10.0	6.55	6.0	
1870	2.51	2.00	.....	.....	3.21	6.89	6.0	10.10	8.0	6.28	6.0	
1388	3.43	3.25	3.12	2.11	4.26	5.25	6.0	9.49	7.0	9.76	10.0	
1391	2.62	2.50	5.63	1.76	4.70	7.39	6.0	12.09	12.0	10.27	10.0	
1869	2.29	2.25	.....	.....	3.30	6.96	6.0	10.26	7.0	4.79	4.0	
1392	5.09	5.00	3.52	2.26	3.70	5.78	4.0	9.48	6.0	5.87	6.0	
2113	2.61	.....	6.73	4.25	2.18	10.98	11.0	13.16	12.0	3.71	2.4	
2112	1.06	2.40	3.46	3.30	5.36	3.32	1.51	8.68	8.0	10.19	9.0	6.91	7.0	
1282	2.59	2.05	6.79	3.18	1.42	9.97	9.0	11.39	10.0	1.68	1.5	
2111	.11	1.06	1.17	1.03	5.93	2.35	1.55	8.28	8.0	9.83	9.0	2.32	2.0	
1882	1.00	.82	.....	.....	1.10	8.56	7.0	9.66	8.0	1.56	1.1	
1269	2.11	2.06	8.39	2.28	.93	10.67	9.0	11.60	11.0	3.07	3.2	
1267	2.61	2.50	5.17	2.14	2.23	7.31	6.0	9.54	8.0	5.43	5.0	
1265	2.70	2.50	7.55	3.58	1.48	11.13	9.0	12.61	11.0	2.27	2.0	
1600	1.43	.82	7.46	1.72	1.61	9.18	7.0	10.79	9.0	2.10	1.0	
1217	2.72	2.47	8.10	1.57	.96	9.67	9.0	10.63	10.0	2.65	2.0	
1219	2.33	1.03	7.18	2.55	1.89	9.73	8.0	11.62	10.0	2.59	2.0	
1218	2.36	1.85	7.38	2.34	1.81	9.72	8.5	11.53	10.0	2.62	2.0	
1215	1.79	1.23	6.52	1.74	1.05	8.26	6.5	9.31	8.0	3.66	3.0	
1607	1.48	1.03	6.71	2.16	2.35	8.87	8.0	11.22	9.0	2.42	2.0	
1608	1.63	.82	6.80	2.39	1.83	9.19	7.0	11.02	9.0	2.00	1.0	
1264	2.16	2.05	8.83	1.64	.97	10.47	8.0	11.44	10.0	3.21	3.0	
2109	.11	1.06	1.17	1.03	5.79	2.89	1.27	8.68	8.0	9.95	9.0	2.20	2.0	
1263	2.39	2.05	7.38	2.51	1.92	9.89	9.0	11.81	11.0	2.71	2.0	
1901	.30	1.49	1.79	2.00	6.99	2.77	2.66	9.76	9.0	12.42	11.0	1.89	1.8	
2117	.28	1.22	1.50	1.23	5.97	2.86	2.67	8.83	8.5	11.50	10.5	2.94	2.5	
2118	.25	1.19	1.44	1.20	5.85	2.97	2.60	8.82	8.5	11.42	10.0	2.75	2.5	

DESCRIPTIVE LIST OF MANUFACTURERS' SAMPLES, 1899.

Station number.	Manufacturer, place of business and brand.
2119	E. Frank Coe's Excelsior Potato Fertilizer.....
1617	E. Frank Coe's Grass and Grain Fertilizer.....
2116	E. Frank Coe's High Grade Ammoniated Bone Phosphate
1884	E. Frank Coe's High Grade Potato Fertilizer.....
2120	E. Frank Coe's Prize Brand Grain and Grass Fertilizer
1405	E. Frank Coe's Special Potato Fertilizer.....
2121	E. Frank Coe's Standard Grade Ammoniated Bone Phosphate
	CROCKER FERTILIZER AND CHEMICAL CO., BUFFALO, N. Y.
1855	Crocker's Ammoniated Corn Phosphate.....
1853	Crocker's New Rival Ammoniated Superphosphate.....
1856	Crocker's Potato, Hop and Tobacco Phosphate
1854	Crocker's Superior Fertilizer
	Crocker's Superior Rye and Oats Fertilizer.....
	CUMBERLAND BONE PHOSPHATE CO., PORTLAND, ME.
1899	Cumberland Bone and Potash
1601	Cumberland Hawkeye Fertilizer.....
1394	Cumberland Potato Fertilizer
1395	Cumberland Seeding Down Manure
1393	Cumberland Superphosphate.....
	L. B. DARLING FERTILIZER CO., PAWTUCKET, R. I.
2131	Darling's Animal Anchor Brand.....
2130	Darling's Animal Fertilizer "G" Brand.....
2129	Darling's Blood, Bone and Potash
	FRANK S. FARRAR & CO., BANGOR, ME.
1277	Farrar's Potato Manure
1276	Farrar's Superphosphate.....
	GREAT EASTERN FERTILIZER CO., RUTLAND, VT.
1578	Great Eastern Dissolved Bone
1230	Great Eastern General Fertilizer.....
1231	Great Eastern Grass and Oats Fertilizer
1233	Great Eastern Northern Corn Special
1232	Great Eastern Potato Manure
	E. L. LEWIS, ATLANTIC, MASS.
2132	Lewis Potato Fertilizer
	LISTER'S AGRICULTURAL CHEMICAL WORKS, NEWARK, N. J.
2105	Lister's Seeding Down Fertilizer.....
2104	Lister's Special Potato Fertilizer.....
2103	Lister's Success Fertilizer
2102	Lister's "U. S." Superphosphate.....
	LOWELL FERTILIZER CO., BOSTON, MASS.
1874	Swift's Lowell Animal Fertilizer.....
1875	Swift's Lowell Bone Fertilizer.....
1876	Swift's Lowell Dissolved Bone and Potash
1873	Swift's Lowell Ground Bone
1879	Swift's Lowell Fruit and Vine Fertilizer
1877	Swift's Lowell Potato Phosphate.....
	NATIONAL FERTILIZER CO., BRIDGEPORT, CONN.
1885	Chittenden's Ammoniated Bone Fertilizer
1886	Chittenden's Complete Root Fertilizer
1887	Chittenden's Market Garden Fertilizer.....
	SAMUEL G. OTIS, HALLOWELL, ME.
1597	Otis Potato Fertilizer
1880	Otis Seeding Down Fertilizer.....
1620	Otis Superphosphate.....
	PACIFIC GUANO CO., BOSTON, MASS.
1605	Pacific Guano Company's Grass and Grain Fertilizer.....
1604	Pacific Guano Company's Potato Special
1234	Nobsque Guano
1235	Soluble Pacific Guano.....

ANALYSES OF MANUFACTURERS' SAMPLES, 1899.

Station number.	NITROGEN.				PHOSPHORIC ACID.								POTASH.	
	As ammonia. or nitrates.	As organic.	Total.		Soluble.	Reverted.	Insoluble.	Available.		Total.		Found.	Guaranteed.	
			Found.	Guaranteed.				Found.	Guaranteed.	Found.	Guaranteed.			
	%	%	%	%	%	%	%	%	%	%	%	%	%	
2119	.65	2.02	2.67	2.50	6.14	1.34	1.27	7.48	8.0	8.75	9.0	9.91	8.0	
1617	.....	.....	2.83	.80	7.88	2.96	3.63	10.84	8.5	14.47	10.0	1.21	1.5
2116	.....	.....	1.68	1.85	5.97	2.62	2.50	8.95	9.0	11.45	11.0	2.90	2.2
1884	.....	.....	2.50	2.40	.....	.....	1.29	7.71	7.0	9.00	8.0	7.86	6.5
2120	.....	.....	.....	.....	12.30	2.57	.47	14.87	10.5	15.34	12.0	.67	2.0
1405	.....	.....	1.95	1.65	7.43	1.82	4.20	9.25	8.0	13.45	10.0	4.58	4.0
2121	.27	1.26	1.53	1.20	6.32	2.33	2.87	8.65	8.5	11.52	10.0	2.45	2.2	
1855	.....	.....	2.92	2.05	.....	.....	.58	12.21	10.6	12.79	11.0	2.43	1.6
1853	.....	.....	2.16	1.23	.....	.....	.62	11.75	10.0	12.37	11.0	2.37	1.6
1856	.....	.....	2.42	2.05	.....	.....	.77	10.68	10.0	11.45	11.0	3.39	3.2
1854	.....	.....	.90	.82	.....	.....	.83	8.86	8.0	9.69	9.0	2.06	2.0
.....	.....	.....	.90	.82	.....	.....	.83	8.86	8.0	9.69	9.0	2.06	2.0
1899	.....	.....	.....	.....	6.38	3.36	2.08	9.74	8.0	11.82	10.0	3.15	2.5
1601	.....	.....	1.70	.82	7.45	1.42	1.90	8.87	7.0	10.77	9.0	2.08	1.0
1394	.....	.....	2.12	2.06	7.01	1.88	2.16	8.89	9.0	11.05	11.0	3.97	3.0
1395	.....	.....	1.10	1.03	5.82	1.98	2.11	7.80	8.0	9.91	10.0	2.92	2.0
1393	.....	.....	2.08	2.06	5.96	3.36	1.92	9.30	8.0	11.22	10.0	3.56	2.0
2131	.23	2.32	2.55	1.65	5.73	2.69	.71	8.42	6.0	9.13	7.0	3.16	2.0	
2130	.23	2.32	2.55	2.06	5.60	2.58	.62	8.18	6.0	8.80	7.0	4.64	4.0	
2129	.96	2.84	3.80	4.12	5.50	3.12	.91	8.62	7.6	9.53	8.0	6.37	7.5	
1277	.....	.....	2.33	2.25	3.03	7.19	5.99	10.22	9.0	16.21	12.0	3.32	3.0
1276	.....	.....	2.56	2.50	3.24	8.26	4.25	11.50	9.0	15.75	12.0	1.63	2.0
1578	.....	.....	.....	.....	9.27	5.86	1.36	15.13	14.0	16.49	.....	.....	.....
1230	.....	.....	1.10	.83	.69	9.25	2.26	9.94	8.0	12.20	.....	4.72	4.0
1231	.....	.....	.....	.....	4.11	6.88	4.08	10.99	11.0	15.07	.....	2.15	2.0
1233	.....	.....	3.06	2.88	3.84	5.36	.74	9.20	8.0	9.94	.....	3.42	2.0
1232	.....	.....	2.35	2.06	5.14	4.90	.68	10.04	8.0	10.72	.....	5.71	4.0
2132	1.20	2.36	3.56	3.28	3.74	2.40	1.93	6.14	5.0	8.07	6.0	10.43	10.0	
2105	.06	.84	.90	.62	7.58	2.64	2.47	10.22	10.0	12.69	11.0	1.06	1.0	
2104	.25	1.46	1.71	1.65	5.87	2.52	2.38	8.39	8.0	10.77	9.0	2.94	3.0	
2103	.27	1.22	1.49	1.24	7.23	2.33	2.43	9.56	9.5	11.99	11.5	2.06	2.0	
2102	.19	1.35	1.54	1.32	5.09	2.34	2.03	7.43	7.0	9.46	8.0	2.39	2.0	
1874	.....	.....	2.85	2.46	.....	.....	1.01	10.38	9.0	11.39	10.0	4.10	4.0
1875	.....	.....	2.06	1.64	.....	.....	1.31	8.27	8.0	9.58	9.0	3.56	3.0
1876	.....	.....	1.90	1.64	.....	.....	1.73	9.33	9.0	11.06	10.0	2.45	2.0
1873	.....	.....	2.30	2.46	.....	.....	.....	.....	5.0	27.72	28.0	.....	.....
1879	.....	.....	3.69	3.28	.....	.....	.96	7.72	7.0	8.68	8.0	6.44	6.0
1877	.....	.....	2.61	2.46	.....	.....	1.08	9.41	8.0	10.49	9.0	6.96	6.0
1885	.....	.....	2.42	1.60	.....	.....	1.61	9.72	9.0	11.33	10.0	3.69	2.0
1886	.....	.....	3.79	3.30	.....	.....	1.33	9.35	8.0	10.68	10.0	6.31	6.0
1887	.....	.....	3.02	2.40	.....	.....	2.90	7.29	7.0	10.19	9.0	5.83	6.0
1597	.....	.....	2.06	2.00	8.46	1.98	1.24	10.44	9.0	11.68	11.0	4.12	3.0
1880	.....	.....	1.36	1.50	.....	.....	1.61	8.37	8.0	9.98	12.0	2.39	2.0
1620	.....	.....	2.57	2.00	6.44	4.72	1.85	11.16	9.5	13.01	11.0	2.77	2.0
1605	.....	.....	1.82	.82	6.70	2.71	1.68	9.41	7.0	11.09	8.0	2.39	1.1
1604	.....	.....	2.65	2.05	8.88	2.13	1.06	11.01	8.0	12.07	9.0	4.10	3.0
1234	.....	.....	1.23	1.15	6.23	2.68	2.44	8.91	8.0	11.35	9.0	2.25	2.0
1235	.....	.....	2.37	2.25	7.33	2.42	1.85	9.75	8.5	11.60	10.5	2.61	2.0

DESCRIPTIVE LIST OF MANUFACTURERS' SAMPLES, 1899.

Station number.	Manufacturer, place of business and brand.
	PACKERS' UNION FERTILIZER CO., NEW YORK, N. Y.
1566	Packers' Union Animal Corn Fertilizer.....
1567	Packers' Union High Grade Potato Manure.....
2126	Packers' Union Universal Fertilizer.....
1619	Packers' Union Wheat, Oats and Clover Fertilizer.....
	PARMENTER & POLSEY FERTILIZER CO., PEABODY, MASS.
2123	Plymouth Rock Brand.....
2122	"P. and P." Potato Fertilizer.....
2124	Parmenter & Polsey Special Potato Fertilizer.....
2125	Star Brand Superphosphate.....
	EDWIN J. PHILBRICK, AUGUSTA, ME.
1888	Philbrick's Fertilizer.....
	PORTLAND RENDERING CO., PORTLAND, ME.
1616	Portland Rendering Co's. Bone Tankage.....
	THE QUINNIPIAC CO., BOSTON, MASS.
1589	Quinnipiac Climax Phosphate.....
1590	Quinnipiac Corn Manure.....
1244	Quinnipiac Phosphate.....
1245	Quinnipiac Potato Manure.....
1591	Quinnipiac Potato Phosphate.....
1246	Quinnipiac Seeding Down Manure.....
	READ FERTILIZER CO., SYRACUSE, N. Y.
1396	Read's Practical Potato Special.....
1397	Read's Standard.....
1587	Read's Sure Catch.....
1555	Read's Vegetable and Vine.....
1865	Sampson Fertilizer.....
	RUSSIA CEMENT CO., GLOUCESTER, MASS.
1410	Essex Complete Manure for Corn, Grain and Grass.....
1411	Essex Complete Manure for Potatoes, Roots and Vegetables.....
2106	Essex Corn Fertilizer.....
2108	Essex Potato Fertilizer.....
1568	Essex XXX Fish and Potash.....
1891	Maine State Grange Chemicals.....
1892	Maine State Grange Potato Manure.....
2107	Maine State Grange Seeding Down Fertilizer.....
	SAGADAHOC FERTILIZER CO., BOWDOINHAM, ME.
1864	Dirigo Fertilizer.....
1863	Merrymeeting Superphosphate.....
1902	Sagadahoc Bone Meal.....
2127	Sagadahoc Special Potato Fertilizer.....
2128	Sagadahoc Superphosphate.....
1862	Yankee Fertilizer.....
	STANDARD FERTILIZER CO., BOSTON, MASS.
1414	Standard "A" Brand.....
1890	Standard Bone and Potash.....
1223	Standard Fertilizer.....
1221	Standard Guano.....
1603	Standard Special for Potatoes.....
	HENRY F. TUCKER CO., BOSTON, MASS.
1846	Original Bay State Bone Superphosphate.....
	JOHN WATSON, HOULTON, ME.
2133	Watson's Improved Potato Manure.....
	WILLIAMS & CLARK FERTILIZER CO., BOSTON, MASS.
1237	Americus Ammoniated Bone Superphosphate.....
1594	Americus Corn Phosphate.....
1595	Americus Potato Manure.....
1236	Royal Bone Phosphate for All Crops.....
1629	Williams & Clark Potato Phosphate.....
	A. F. YOUNG & CO., NEW YORK, N. Y.
2110	Young's Excelsior Potato Fertilizer.....

ANALYSES OF MANUFACTURERS' SAMPLES, 1899.

Station number.	NITROGEN.				PHOSPHORIC ACID.								POTASH.	
	As ammonia or nitrates.	As organic.	Total.		Soluble.	Reverted.	Insoluble.	Available.		Total.		Found.	Guaranteed.	
			Found.	Guaranteed.				Found.	Guaranteed.	Found.	Guaranteed.			
	%	%	%	%	%	%	%	%	%	%	%	%	%	
1566	.....	.....	2.58	2.47	6.18	1.99	2.33	8.17	8.0	10.50	9.0	1.74	2.0
1567	.....	.....	2.11	2.06	6.50	1.49	1.96	7.99	8.0	9.95	9.0	8.05	6.0
2126	.68	1.02	1.16	.82	6.97	1.73	1.17	8.70	8.0	9.87	9.0	4.92	5.0	
1619	.....	.....	.25	.....	.....	.....	1.20	10.92	11.0	12.12	.....	2.39	2.0
2123	.21	2.08	2.29	2.47	3.81	4.21	1.38	8.02	8.0	9.40	9.0	4.19	4.0	
2122	.46	1.61	2.07	1.64	3.67	3.70	1.12	7.37	6.0	8.49	7.0	5.63	5.5	
2124	1.69	1.29	2.98	3.29	4.21	4.27	1.29	8.48	8.0	9.77	9.0	7.41	7.0	
2125	1.01	.79	1.80	1.64	3.80	3.54	1.15	7.34	7.0	8.49	8.0	2.60	2.5	
1888	.38	1.65	2.03	2.00	2.00	5.19	1.74	7.19	7.0	8.93	9.0	5.58	5.0	
1616	.....	.....	4.27	4.42	.....	7.34	12.06	7.34	.....	19.40	18.6	.....	.....
1589	.....	.....	1.28	1.03	4.61	4.02	2.64	8.63	8.0	11.27	9.0	2.54	2.0
1590	.....	.....	2.22	2.06	9.15	1.24	1.29	10.39	9.0	11.68	10.0	2.27	1.5
1244	.....	.....	2.74	2.47	7.91	1.47	1.11	9.38	9.0	10.49	10.0	2.72	2.0
1245	.....	.....	2.71	2.47	5.85	1.82	2.26	7.67	6.0	9.93	7.0	5.80	5.0
1591	.....	.....	2.15	2.05	8.78	1.64	.90	10.42	8.0	11.32	9.0	3.66	3.0
1246	.....	.....	1.23	.82	6.59	2.87	2.26	9.46	9.0	11.72	10.0	2.26	2.0
1396	.....	.....	1.20	.82	3.39	1.55	.54	4.94	4.0	5.48	5.0	8.35	8.0
1397	.....	.....	1.15	.82	6.50	1.73	.92	8.23	8.0	9.15	9.0	4.33	4.0
1587	.....	.....	.....	.....	7.89	1.63	1.56	9.52	6.0	11.08	7.0	5.06	4.0
1555	.....	.....	1.96	1.65	5.04	1.21	1.55	6.25	6.0	7.80	7.0	7.96	8.0
1865	.....	.....	1.97	1.65	.....	.....	1.51	6.75	6.0	8.26	7.0	4.42	4.0
1410	.....	.....	4.00	3.70	3.02	6.39	2.51	9.41	7.0	11.92	9.5	10.52	9.5
1411	.....	.....	3.96	3.70	2.60	5.54	2.84	8.14	7.0	10.98	9.0	9.18	8.5
2106	.52	1.72	2.24	2.00	5.31	4.03	4.14	9.34	9.0	13.48	11.0	3.33	3.0	
2108	.63	1.55	2.18	2.00	5.50	4.18	4.08	9.68	9.0	13.76	11.0	5.57	5.0	
1568	.....	.....	2.68	2.10	8.00	2.63	2.56	10.63	9.0	13.19	12.0	2.75	2.25
1891	.82	1.58	2.40	2.50	2.45	5.71	3.89	8.16	8.0	12.05	12.0	4.72	4.0	
1892	.....	.....	1.02	1.50	1.34	7.11	3.67	8.45	9.0	12.12	12.0	12.43	12.0
2107	.....	.....	1.91	1.50	3.19	4.24	6.36	7.43	7.0	13.79	13.0	5.69	5.5
1864	.....	.....	1.85	2.00	.....	.....	4.82	5.41	3.0	10.23	10.0	5.28	4.0
1863	.....	.....	1.50	1.50	.....	.....	3.78	7.72	5.0	11.50	9.0	2.73	2.0
1902	.....	3.79	3.79	3.00	.....	.....	.....	.....	.....	18.42	20.0	.....	.....
2127	2.15	.67	2.82	2.40	5.90	2.46	.75	8.36	6.0	9.11	10.0	8.11	7.0	
2128	1.11	1.16	2.27	2.10	7.11	2.84	1.18	9.95	6.0	11.13	10.0	4.61	4.0	
1862	.....	.....	.82	.50	.....	.....	2.12	9.03	3.0	11.15	7.0	2.77	1.5
1414	.....	.....	1.33	.82	4.84	3.08	1.96	7.92	7.0	9.88	9.0	1.71	1.0
1890	.....	.....	.....	.....	6.94	3.03	1.51	9.97	8.0	11.48	10.0	4.10	2.5
1223	.....	.....	2.44	2.00	7.36	2.64	1.96	10.00	8.0	11.96	10.0	2.67	2.0
1221	.....	.....	1.75	1.25	6.59	2.02	1.09	8.61	6.5	9.70	8.5	3.69	3.0
1603	.....	.....	2.43	2.05	8.00	2.98	1.03	10.98	8.0	12.01	9.0	3.78	3.0
1846	.....	.....	2.40	2.06	....	.....	2.42	9.43	9.0	11.85	11.0	2.69	2.0
2133	.19	2.03	2.22	2.50	3.14	3.85	.84	6.99	6.00	7.83	7.00	6.52	5.00	
1237	.....	.....	2.80	2.47	7.85	1.65	.79	9.50	9.0	10.29	10.0	2.63	2.0
1594	.....	.....	2.27	2.06	8.76	.33	2.56	9.09	9.0	11.65	10.0	2.03	1.5
1595	.....	.....	2.07	2.06	9.08	.96	1.24	10.04	8.0	11.28	9.0	3.53	3.0
1236	.....	.....	1.26	1.03	6.20	3.11	2.23	9.30	7.0	11.54	8.0	2.26	2.0
1629	.....	.....	2.71	2.47	.....	.....	2.30	7.86	6.0	10.16	7.0	5.54	5.0
2110	2.22	1.14	3.36	2.88	5.02	.86	.29	5.88	5.5	6.17	.....	12.25	10.0

THE CHIEF PROVISIONS OF THE FERTILIZER LAW APPLYING TO MANUFACTURERS, IMPORTERS AND DEALERS.

The law for the regulation of the sale and analyses of commercial fertilizers makes the following requirements upon manufacturers, importers or dealers who propose to sell or offer for sale commercial fertilizers in the State:

1. *The Brand.* Each package shall bear, conspicuously printed, the following statements:

The number of net pounds contained in each package.

The name or trade mark under which it is sold.

The name of the manufacturer or shipper.

The place of manufacture.

The place of business of manufacturer or shipper.

The percentage of nitrogen or its equivalent in ammonia.

The percentage of potash soluble in water.

The percentage of phosphoric acid in available form.

The percentage of total phosphoric acid.

2. *The certificate.* There shall be filed annually between Nov. 15 and Dec. 15 with the Director of the Station a certificate containing an accurate statement of the brand. This certificate applies to the next succeeding calendar year. (Blanks for this purpose will be furnished on application to the Station.)

3. *Manufacturer's Samples.* There shall be deposited annually, unless excused by the Director under certain conditions, a sample of fertilizer, with an accompanying affidavit that this sample "corresponds within reasonable limits to the fertilizer which it represents."

4. *Analysis fee.* For each brand of fertilizer sold or offered for sale in the state there shall be paid annually to the Director of the Station "an analysis fee as follows: Ten dollars for the phosphoric acid and five dollars each for the nitrogen and potash, contained or said to be contained in the fertilizer."

5. *The license.* Upon receipt of the fee, the certificate and the sample (if required) the Director of the Station "shall issue a certificate of compliance."

[The full text of the law will be sent to those asking for it.]

CHAS. D. WOODS, *Director.*

NOV -1 1944







